

## Controllable (1-10 V) electronic ballasts for T8 fluorescent lamps

freedom in lighting

- Switch-Control / Analogue control <sup>1)</sup>
- Only 21 mm high
- Standard & sidemount possibilities
- Dimming range 1-100 % <sup>2)</sup>
- Microprocessor controlled
- User friendly, quick release connectors
- Low energy consumption
- Flickerless light

18-70 W 220-240 V, 50-60 Hz

**A1**

| Lamp type | Wattage | No. of lamps | Ballast                | EEL | Dimensions | Connection | Weight | Circuit power | Mains current | Lamp power |
|-----------|---------|--------------|------------------------|-----|------------|------------|--------|---------------|---------------|------------|
|           |         |              |                        |     |            | (p.14)     | (g)    | (W)           | (A)           | (W)        |
| <b>T8</b> | 18      | 1            | EL1x18sc               | A1  | 1          | 8          | 270    | 19            | 0.09-0.08     | 16         |
|           | 18      | 2            | EL2x18sc               | A1  | 2          | 9          | 340    | 37            | 0.18-0.15     | 16         |
|           | 18      | 4            | EL4x18sc <sup>2)</sup> | A1  | 2          | 10         | 340    | 72            | 0.33-0.30     | 16         |
|           | 36      | 1            | EL1x36sc               | A1  | 1          | 8          | 270    | 37            | 0.17-0.16     | 32         |
|           | 36      | 2            | EL2x36sc               | A1  | 2          | 9          | 340    | 71            | 0.33-0.30     | 32         |
|           | 58      | 1            | EL1x58sc               | A1  | 1          | 8          | 270    | 55            | 0.27-0.26     | 50         |
|           | 58      | 2            | EL2x58sc               | A1  | 2          | 9          | 340    | 108           | 0.50-0.46     | 50         |
|           | 70      | 1            | EL1x70sc               | A1  | 1          | 8          | 270    | 65            | 0.31-0.27     | 60         |

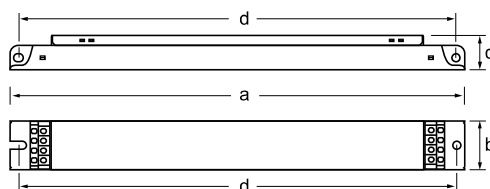
Note: See pages 14-17 for connection diagrams and additional characteristics.

1) Simultaneous lighting control by Switch-Control and Analogue control

2) Dimming range 3-100 % for 4x18sc

For information on compatibility with amalgam lamps, please contact your local Helvar representative.

| Dimensions      | 1   | 2   |
|-----------------|-----|-----|
| Length 'a' (mm) | 360 | 430 |
| Width 'b' (mm)  | 30  | 30  |
| Height 'c' (mm) | 21  | 21  |
| 'd' (mm)        | 350 | 420 |



| Delivery information |                         |                       |                              |                    |                    |
|----------------------|-------------------------|-----------------------|------------------------------|--------------------|--------------------|
| Ballast              | Unit package            |                       | Transportation package       |                    |                    |
|                      | Minimum delivery amount | Plastic binding strip | EUR pallet 1200 x 800 (pcs.) | Pallet weight (kg) | Pallet height (cm) |
| EL1 x sc             | 10                      | ●                     | 980                          | 300                | 40                 |
| EL2 x sc             | 10                      | ●                     | 840                          | 325                | 43                 |
| EL4 x sc             | 10                      | ●                     | 840                          | 325                | 43                 |

# Controllable (1-10 V) electronic ballasts for compact fluorescent lamps *freedom in lighting*

- Switch-Control / Analogue control <sup>1)</sup>
- Only 21 mm high
- Standard & sidemount possibilities
- Dimming range 1-100 %
- Microprocessor controlled
- User friendly, quick release connectors
- Low energy consumption
- Flickerless light

**24-80 W 220-240 V, 50-60 Hz**



**A1**



| Lamp type   | Wattage | No. of lamps | Ballast                | EEL | Dimensions | Connection | Weight | Circuit power | Mains current | Lamp power |
|-------------|---------|--------------|------------------------|-----|------------|------------|--------|---------------|---------------|------------|
|             |         |              |                        |     |            | (p.14)     | (g)    | (W)           | (A)           | (W)        |
| <b>TC-L</b> | 24      | 1            | EL1x24sc <sup>2)</sup> | A1  | 1          | 8          | 270    | 26            | 0.13-0.12     | 24         |
|             | 24      | 2            | EL2x24sc <sup>2)</sup> | A1  | 2          | 9          | 340    | 50            | 0.24-0.20     | 24         |
|             | 36      | 1            | EL1x36sc               | A1  | 1          | 8          | 270    | 37            | 0.17-0.16     | 32         |
|             | 36      | 2            | EL2x36sc               | A1  | 2          | 9          | 340    | 71            | 0.33-0.30     | 32         |
|             | 40      | 1            | EL1x39sc <sup>2)</sup> | A1  | 1          | 8          | 270    | 44            | 0.20-0.18     | 40         |
|             | 40      | 2            | EL2x39sc <sup>2)</sup> | A1  | 2          | 9          | 340    | 84            | 0.40-0.36     | 40         |
|             | 55      | 1            | EL1x55sc               | A1  | 1          | 8          | 270    | 61            | 0.28-0.26     | 55         |
|             | 55      | 2            | EL2x55sc               | A1  | 2          | 9          | 340    | 117           | 0.53-0.49     | 55         |
| <b>TC-F</b> | 80      | 1            | EL1x80sc <sup>2)</sup> | A1  | 1          | 8          | 270    | 88            | 0.41-0.38     | 80         |
|             | 24      | 1            | EL1x24sc <sup>2)</sup> | A1  | 1          | 8          | 270    | 26            | 0.13-0.12     | 24         |
|             | 24      | 2            | EL2x24sc <sup>2)</sup> | A1  | 2          | 9          | 340    | 50            | 0.24-0.20     | 24         |
|             | 36      | 1            | EL1x36sc <sup>2)</sup> | A1  | 1          | 8          | 270    | 37            | 0.17-0.16     | 32         |
|             | 36      | 2            | EL2x36sc <sup>2)</sup> | A1  | 2          | 9          | 340    | 71            | 0.33-0.30     | 32         |
| <b>T5c</b>  | 40      | 1            | EL1x39sc <sup>2)</sup> | A1  | 1          | 8          | 270    | 43            | 0.20-0.18     | 40         |

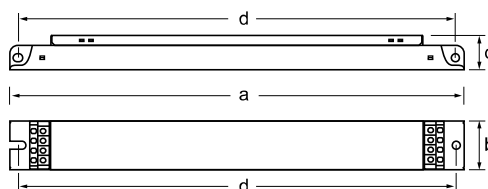
Note: See pages 14-17 for connection diagrams and additional characteristics.

1) Simultaneous lighting control by Switch-Control and Analogue control

2) Tested and recommended by Helvar, not ENEC approved combination

For information on compatibility with amalgam lamps, please contact your local Helvar representative.

| Dimensions      | 1   | 2   |
|-----------------|-----|-----|
| Length 'a' (mm) | 360 | 430 |
| Width 'b' (mm)  | 30  | 30  |
| Height 'c' (mm) | 21  | 21  |
| 'd' (mm)        | 350 | 420 |



| Delivery information |                         |                       |                              |                    |                    |
|----------------------|-------------------------|-----------------------|------------------------------|--------------------|--------------------|
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|                      | Minimum delivery amount | Plastic binding strip | EUR pallet 1200 x 800 (pcs.) | Pallet weight (kg) | Pallet height (cm) |
| EL1 x sc             | 10                      | ●                     | 980                          | 300                | 40                 |
| EL2 x sc             | 10                      | ●                     | 840                          | 325                | 43                 |
| EL4 x sc             | 10                      | ●                     | 840                          | 325                | 43                 |